Development Before Birth (pp. 488–491)

The Beginning of the Life Cycle

1. Complete the flowchart about the early stages of pregnancy.

   a. **Fertilization occurs when a single sperm is united with an egg.**
      ____________________________________________________________________
      ____________________________________________________________________
      ____________________________________________________________________

   b. ____________________________________________________________________
      ____________________________________________________________________
      ____________________________________________________________________

   c. ____________________________________________________________________
      ____________________________________________________________________
      ____________________________________________________________________

   d. ____________________________________________________________________
      ____________________________________________________________________
      ____________________________________________________________________

   e. ____________________________________________________________________
      ____________________________________________________________________
Section 19-1: Note Taking Guide (continued)

Development in the Uterus

2. Complete the concept map about the structures that surround a growing embryo.

3. Complete the table about different stages of embryonic and fetal development.

<table>
<thead>
<tr>
<th>Stage</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–2 months</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>3–6 months</td>
<td>b.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>7–9 months</td>
<td>c.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**A Healthy Pregnancy** (pp. 492–496)

**Staying Healthy During Pregnancy**

1. Complete the table with details about staying healthy during pregnancy.

<table>
<thead>
<tr>
<th>Behavior</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Getting enough folic acid during pregnancy</td>
<td>a.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Getting regular exercise during pregnancy</td>
<td>b.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Avoiding all alcohol during pregnancy</td>
<td>c.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Avoiding cat litter during pregnancy</td>
<td>d.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Prenatal Care**

2. For each trimester of pregnancy, give one example of a routine procedure performed during a prenatal visit.

   a. First trimester _____________________________

   b. Second trimester ____________________________

   c. Third trimester _____________________________
Section 19-2: Note Taking Guide (continued)

3. List and describe three technologies doctors may use to monitor a pregnancy.
   a.  
   b.  
   c.  

4. Complete the table about complications of pregnancy.

<table>
<thead>
<tr>
<th>Complication</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>blastocyst implants in the fallopian tube; surgery is needed to remove the embryo</td>
</tr>
<tr>
<td>b.</td>
<td>embryo dies in the first 20 weeks of pregnancy; usually caused by a serious genetic defect</td>
</tr>
<tr>
<td>c.</td>
<td>high blood pressure, swelling of the wrists and ankles, and high levels of protein in the urine; prevents fetus from getting enough oxygen; treated with bed rest or medication</td>
</tr>
<tr>
<td>d.</td>
<td>woman develops high blood sugar levels; if left untreated, fetus may grow too large</td>
</tr>
</tbody>
</table>
Childbirth (pp. 498–503)

The Birth Process

1. Complete the flowchart about the birth process.

   Labor
   a. ____________________________________________________________________
   b. ____________________________________________________________________
   c. ____________________________________________________________________

   Delivery of Baby
   b. ____________________________________________________________________

   Delivery of Afterbirth
   c. ____________________________________________________________________

2. Put a check mark next to the correct answer.

   The time after birth in which the newborn and the parents adjust is called
   ____  a. the post-birth period.
   ____  b. the postpartum period.
   ____  c. the afterbirth.
Section 19-3: Note Taking Guide (continued)

Complications at Birth

3. Complete the graphic organizer with details about complications at birth.

Main Idea: Some complications result in a surgical delivery or premature birth. Low birthweight may also cause complications.

<table>
<thead>
<tr>
<th>Surgical Delivery</th>
<th>Premature Birth</th>
<th>Low Birthweight</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. about 25 percent of all deliveries</td>
<td>d. _____________</td>
<td>g. _____________</td>
</tr>
<tr>
<td>b. ________________</td>
<td>e. _____________</td>
<td>h. _____________</td>
</tr>
<tr>
<td>c. ________________</td>
<td>f. _____________</td>
<td>i. _____________</td>
</tr>
</tbody>
</table>

Multiple Births

4. Complete the table about the different types of twins.

<table>
<thead>
<tr>
<th>Type of Twins</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. __________________</td>
<td>A single fertilized egg divides into two identical embryos early in development.</td>
</tr>
<tr>
<td>b. __________________</td>
<td>Two eggs are released from the ovary and are fertilized by two different sperm.</td>
</tr>
</tbody>
</table>
Section 19-4

Note Taking Guide

Childhood (pp. 506–508)

Early Childhood

1. Complete the flowchart about early childhood.

Birth to Eighteen Months

a. ____________________________
   ____________________________

b. ____________________________
   ____________________________

Eighteen Months to Three Years

c. ____________________________
   ____________________________

d. ____________________________
   ____________________________

Three to Six Years

e. ____________________________
   ____________________________

f. ____________________________
   ____________________________
Middle and Late Childhood

2. Complete the concept map with details about middle and late childhood.

Areas of Growth in Middle and Late Childhood

Physical

Social

Mental

a. ___________________
   ___________________

b. ___________________
   ___________________

and

c. ___________________
   ___________________

d. ___________________
   ___________________

and

e. ___________________
   ___________________

and

f. ___________________
   ___________________